

# Example data for breakpointR

*David Porubsky\**

\*[david.porubsky@gmail.com](mailto:david.porubsky@gmail.com)

October 26, 2023

## Contents

1	Data description . . . . .	2
2	Session Info . . . . .	3

## Example data for breakpointR

### 1 Data description

---

This package provides data for demonstration purposes in package `breakpointR`. It contains five example BAM files to illustrate functionalities of `breakpointR` package, as well as corresponding results stored in 'BreakPoint' objects in order to demonstrate plotting options. The following example data are present inside the package `breakpointRdata`:

```
library(breakpointRdata)
?example_bams
?example_results
```

Example data can be loaded in the following way:

```
## Example BAM files
path <- system.file("extdata", "example_bams", package="breakpointRdata")
files <- list.files(path, full.names=TRUE, pattern=".bam$")
```

```
files

## [1] "/extdata/example_bams/example_lib1.bam" "/extdata/example_bams/example_lib2.bam"
## [3] "/extdata/example_bams/example_lib3.bam" "/extdata/example_bams/example_lib4.bam"
```

```
## Example results
path <- system.file("extdata", "example_results", package="breakpointRdata")
files <- list.files(path, full.names=TRUE)
```

```
files

## [1] "/extdata/example_results/example_lib1.RData"
## [2] "/extdata/example_results/example_lib2.RData"
## [3] "/extdata/example_results/example_lib3.RData"
## [4] "/extdata/example_results/example_lib4.RData"
```

## 2 Session Info

---

```
toLatex(sessionInfo())
```

- R Under development (unstable) (2023-10-22 r85388), x86\_64-pc-linux-gnu
- Locale: LC\_CTYPE=en\_US.UTF-8, LC\_NUMERIC=C, LC\_TIME=en\_GB, LC\_COLLATE=C, LC\_MONETARY=en\_US.UTF-8, LC\_MESSAGES=en\_US.UTF-8, LC\_PAPER=en\_US.UTF-8, LC\_NAME=C, LC\_ADDRESS=C, LC\_TELEPHONE=C, LC\_MEASUREMENT=en\_US.UTF-8, LC\_IDENTIFICATION=C
- Time zone: America/New\_York
- TZcode source: system (glibc)
- Running under: Ubuntu 22.04.3 LTS
- Matrix products: default
- BLAS: /home/biocbuild/bbs-3.19-bioc/R/lib/libRblas.so
- LAPACK: /usr/lib/x86\_64-linux-gnu/lapack/liblapack.so.3.10.0
- Base packages: base, datasets, grDevices, graphics, methods, stats, utils
- Other packages: breakpointRdata 1.21.0
- Loaded via a namespace (and not attached): BiocManager 1.30.22, BiocStyle 2.31.0, cli 3.6.1, compiler 4.4.0, digest 0.6.33, evaluate 0.22, fastmap 1.1.1, highr 0.10, htmltools 0.5.6.1, knitr 1.44, rlang 1.1.1, rmarkdown 2.25, tools 4.4.0, xfun 0.40, yaml 2.3.7